Inventory and Assessment

Application for Rule Authorization of Underground Injection Control Facility

Quil Ceda Village
Treated Effluent Infiltration System

Submitted by
The Consolidated Borough of Quil Ceda Village
Tulalip Indian Reservation, WA
8802 27th Avenue NE
Tulalip, WA 98271-7433

(360) 654-2620
tmac@tgi.net

Nov 2006
Quil Ceda Village: Tulalip Indian Reservation, Washington

Request for Bids to Purchase and Install Emergent Wetland Plants

This is a request for a bid to supply and install wetland plants into a pilot-plant wetland located in the borough of Quil Ceda Village which is part of the Tulalip Reservation.

Quil Ceda Village in cooperation with the University of Washington is building a pilot-plant horizontal flow wetland to test the capacity of emergent wetland plants to destroy residual nitrates and endrocrine disruptors in the effluent from a Membrane Bioreactor (MBR) sewage treatment plant. The pilot-plant wetland consists of three 18' X 72' cells filled with either 21 inches (Cells A & B) or 18 inches (Cell C) of washed pea gravel. See the attached figure. Note that there will be nine samplers per cell, which shall not be disturbed during planting. The samplers are constructed of ½-inch PVC tubing and extend about 2 feet above the ground. They will penetrate the surface of the wetland through 1" X 5" PVC boards. The pilot-plant cells are easily accessible via a short gravel road.

The contractor shall plant the cells with a minimum of one plant every square foot. The average density will be 10 plants/10 square ft. +/- 1 plant. Wetland A shall be planted with *Scirpus microcarpus* (50% of the total plants in wetland A), *Sparganium emersum* (25%), and *Carex utriculata* (25%). Wetlands B and C shall be planted with *Carex lenticularis* (50% of the total plants in wetland B and C), *Carex obnupta* (25%), and *Carex aquatilis* (25%). For ease of installation (and potential replacement), the majority plants shall be installed every other row and the minority plants every four rows. That is, only one species will be planted per row, with the most numerous species planted in every 2nd row and the other species planted in the remaining rows. For example:

row-1Scirpus microcarpus
row-2 Spargnium emersum
row-3 Scirpus microcarpus
row-4 Carex utriculata
row-5 Scirpus microcarpus
row-6 Spargnium emersum
row-7 Scirpus microcarpus
row-8 Carex utricularia

Planting shall occur by November 30, 2007.

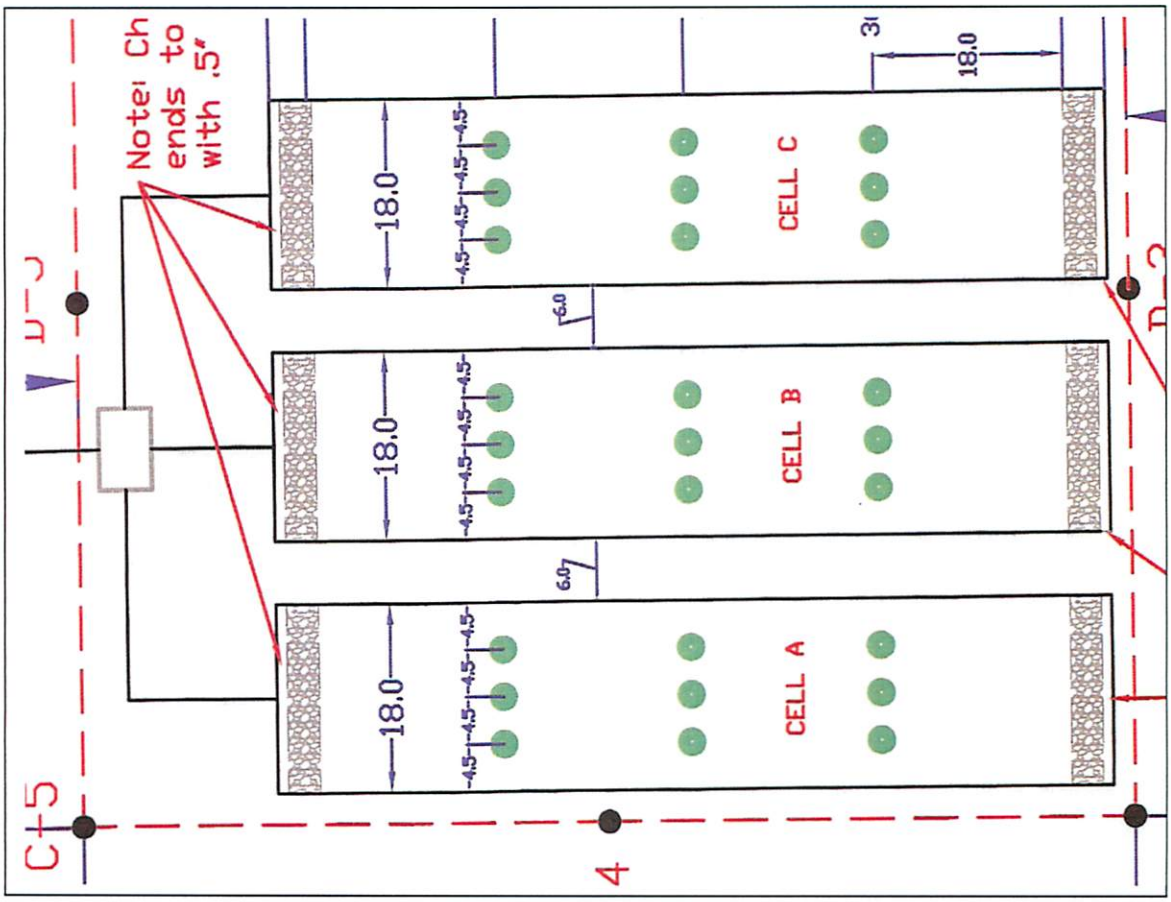
The contractor is responsible for supplying the plants (that is, pre-rooted plugs). The plugs shall be a minimum of 6 cubic inches.

In addition, the contractor shall:

1. Guarantee the identity *(genus and species)* of the wetland plants, with the genetic seed source of the plants being Western Washington or Western Oregon.
2. Briefly list their experience and expertise
3. Provide a minimum of four references
4. List key personnel with brief biographical statement
5. Upon project completion provide instructions on the care of the wetland plants
6. State whether they are available for consulting outside this contract
7. Sign a contract prior to beginning the project (to include cleanup)
8. Be licensed and bonded
9. Note if they have liability insurance and the amount.

Bids must be received by October 26, 2007 via email with a signed hard copy to be received by October 31, 2007 at the address below. Postal mail or hand delivery is acceptable.

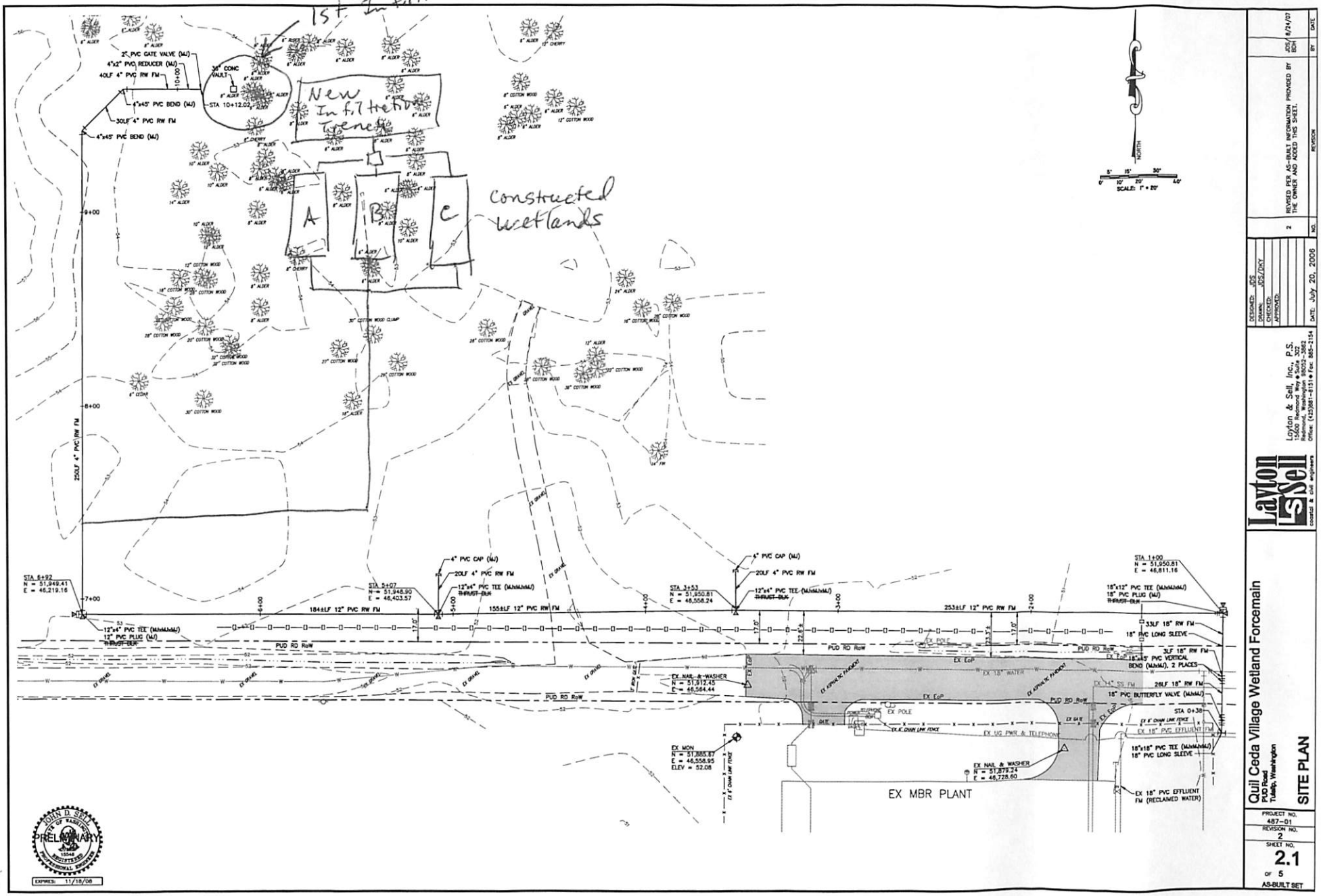
Fred McDonald
Quil Ceda Village
Project Engineer
8802 27th Ave NE
Tulalip, Wa. 98271
360-654-2627
fmcdonald@tulaliptribes-nsn.gov


Note: Ch
ends to
with .5"
CELL C
CELL B
CELL A
18.0
6.0
6.0
4.5
C+5
4

Bill of Materials		
Quantity	**Item**	**Description**
6	1" Flow Meters	Recc'd Manufactuer: Hersey
6	.5" Sample Taps	To be used for flow and water quality testing
6	1" Gate Valves	PVC or Metal
1	1.5" PRV	Wilkins: Factory set at 10psi
4	Concrete Boxes	Cuzconcrete w/ punchouts for pipes
90	Eco-Blocks	6' widths
1	Male Bushing	1.5" PVC to 1"
1	Male Adapter	From bushing to 1" line
200 ft	1.5" PVC Piping	Schedule 40
300 ft	1" PVC Piping	Schedule 40 (Includes Sampling Points)
250 ft	50 Mil Liner	To seal cells
6	Gabion Baskets	6' X 3' X 1.5' - 3/8" Pea Gravel
6	Irrigation Boxes	2' x 3' x 1'(or standard size close to this for flow meter and gate valve)
1	Circular Irrigation Box	For PRV Valve
150 yd^3	3/8" Pea Gravel	Media for Cells

Constructed Wetland Liner Material

A smooth HDPE liner (approximately 50 mils) was used as an underlayment to a 30 mil poly propylene liner. A non-woven geotextile fabric was used as an underlayment around the sides against the ecology blocks. The geotextile fabric also covered the top of the liner.



JOHN D. SELL
STATE OF WASHINGTON
15548
REGISTERED PROFESSIONAL ENGINEER
PRELIMINARY
EXPIRES: 11/18/08

NO.	REVISION	BY	DATE
2	REVISED PER AS-BUILT INFORMATION PROVIDED BY THE OWNER AND ADDED THIS SHEET.	JDS/BDH	8/24/07

DESIGNED: JDS
DRAWN: JDS/DCY
CHECKED:
APPROVED:
DATE: July 20, 2006

Layton & Sell, Inc., P.S.
15600 Redmond Way • Suite 302
Redmond, Washington 98052-3862
Phone: (425)861-1415 • Fax: 885-2154

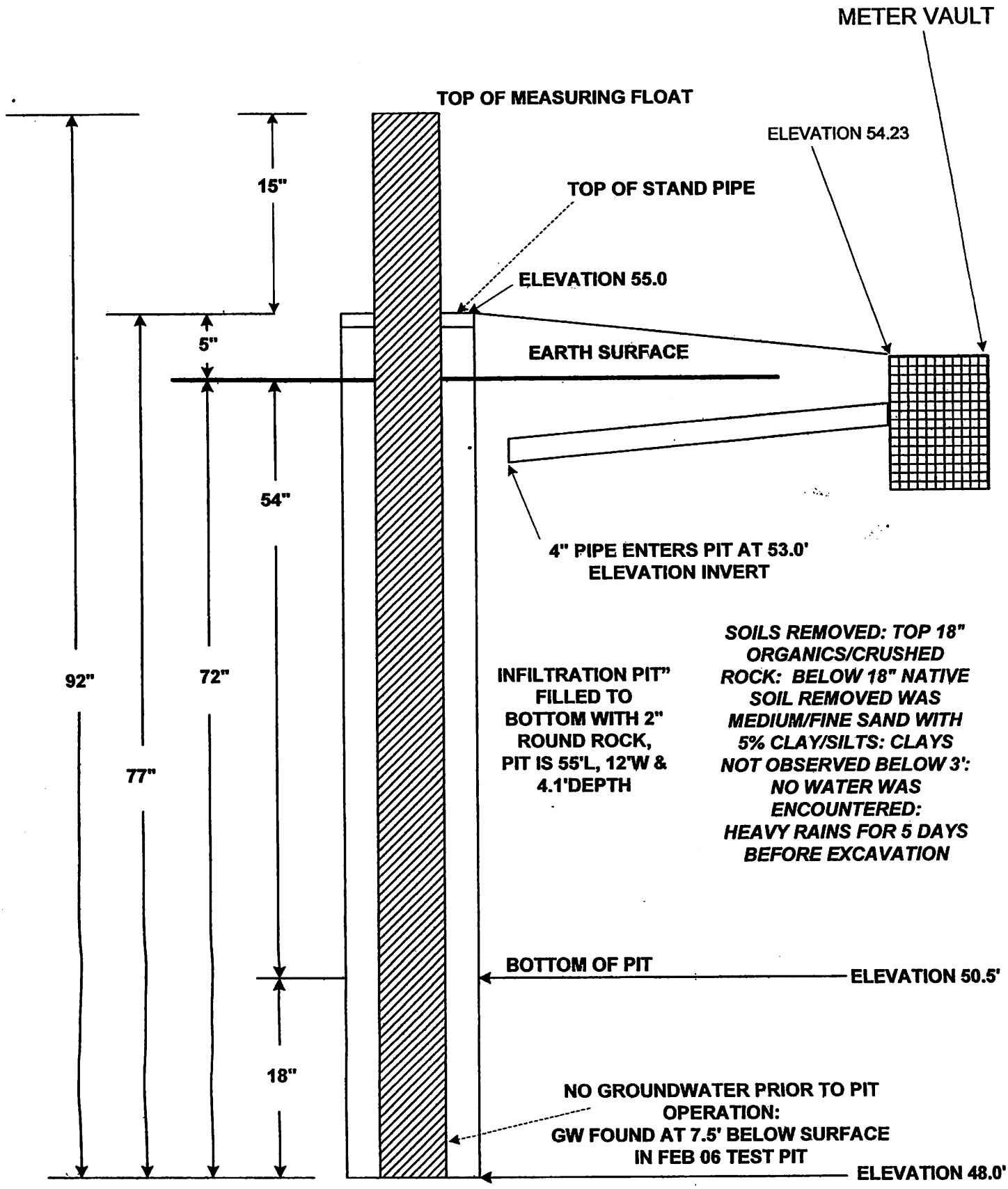
Layton & Sell
coastal & civil engineers

Quil Ceda Village Wetland Forcemain
PUD Road
Tulalip, Washington

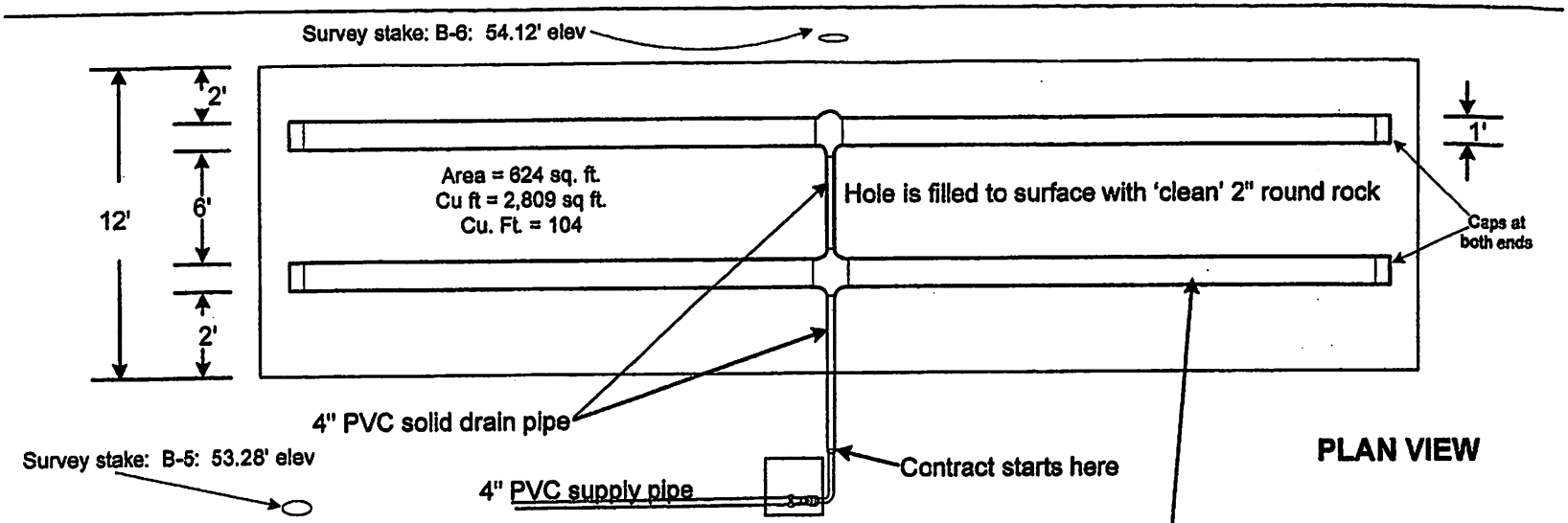
SITE PLAN

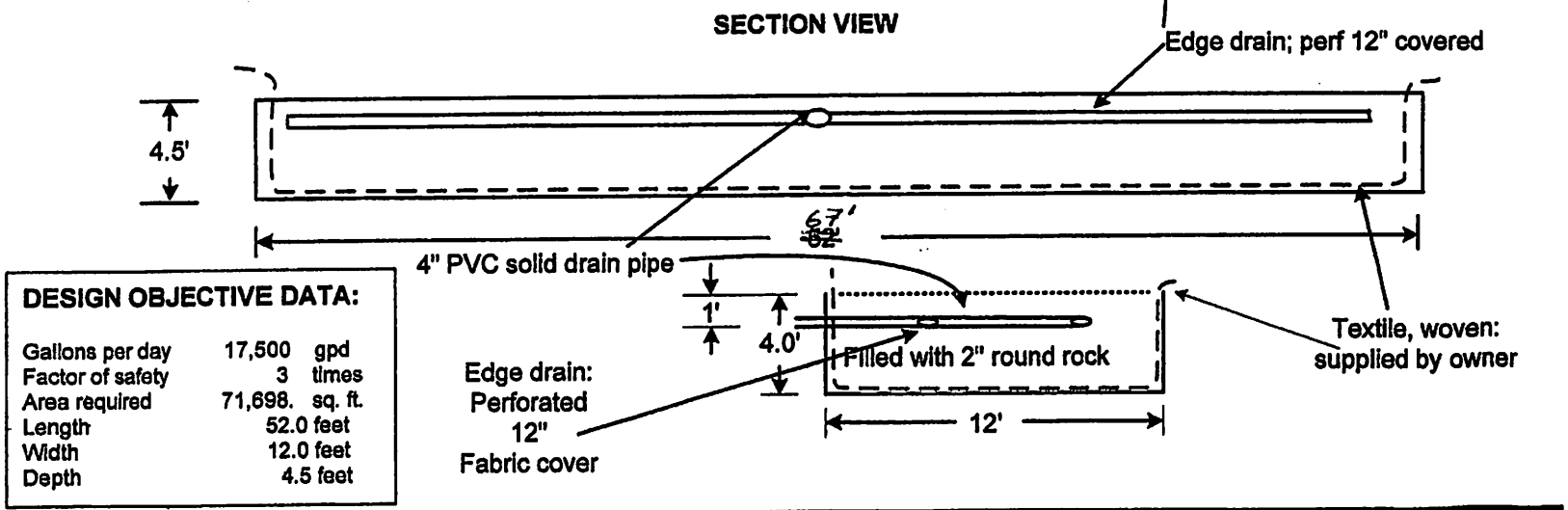
PROJECT NO. 487-01
REVISION NO. 2
SHEET NO. 2.1 OF 5
AS-BUILT SET

WEST #1 INFILTRATION STAND PIPE:
Pipe NE corner



CONSTRUCTED ~~NOV 15, 2006~~





DESIGN OBJECTIVE DATA:

Gallons per day	17,500	gpd
Factor of safety	3	times
Area required	71,698.	sq. ft.
Length	52.0	feet
Width	12.0	feet
Depth	4.5	feet

No.	Change	Date:

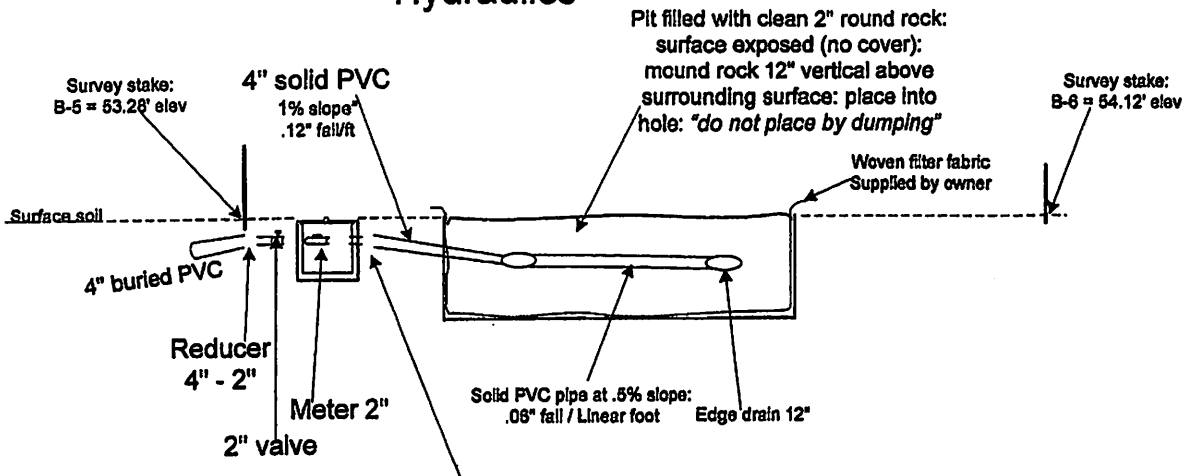
Constructed Wetland
PROJECT #~~UT06-003~~

QUIL CEDA VILLAGE
TULALIP, WA

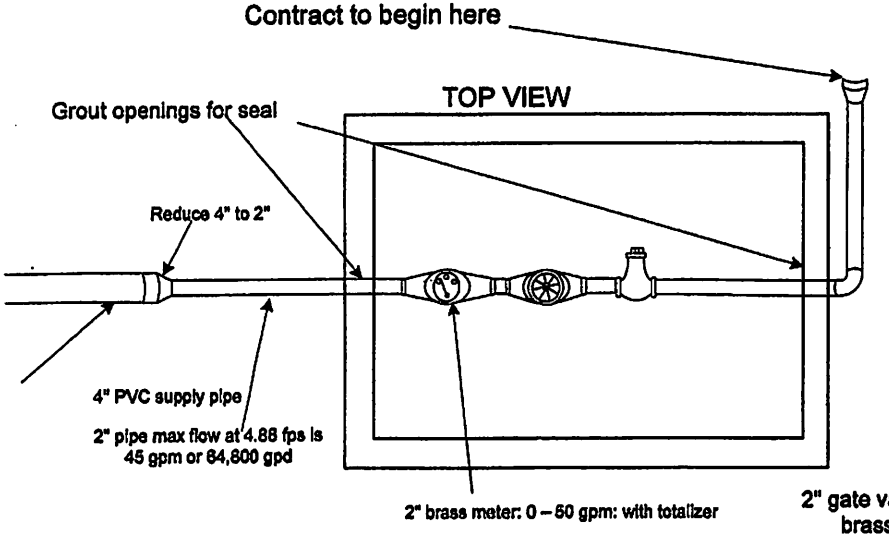
NAME: WETLAND INFILTRATION PITS

Sheet No. 1/5

Hydraulics



SAMPLING & METER VALVE:
3' X 2' CONCRETE



No.	Change	Date:

Constructed Wetland
PROJECT # ~~UT06-003~~

QUIL CEDA VILLAGE
TULALIP, WA

NAME: WETLAND INFILTRATION PITS

Sheet No. 2/5

Addendum #1 (dated September 5, 2007)

to

Constructed Wetlands Bid Package (dated August 24, 2007)

The following items have been amended to the Constructed Wetlands Bid Package:

1. Page R-3, under Project, add, "The ½-inch plywood covers as shown on the drawings will be supplied by others."
2. The drawings shall depict the gabion baskets filled with 2" to 4" sized rock. The Bill of Materials should be adjusted to reflect the addition of this rock and the lesser amount of 3/8-inch pea gravel needed.
3. Page R-3, under Project, add, "Geotextile shall be placed beneath the gabion baskets to protect the liner from being punctured by the rock-filled gabion baskets."
4. Sheets 2 and 2.1 of 5 entitled, "Quil Ceda Village Wetland Forcemain," are provided to show where the new 4" PVC line will connect to the force main at STA 5+07.
5. The item entitled, "West #1 Infiltration stand Pipe: Pipe NE corner," is provided to show how the piezometer tubes are to be installed in the new infiltration trench.
6. Vendor material is provided on Hersey flow meters, NIBCO gate valves, and Wilkins pressure-reducing valves. Note that the latter requires the PRV to be set for 10 psi at the factory.

Tulalip Pilot Wetland Cell Design

Designed by: Dr. Stensel
Professor - University of Washington
Drawn by: Kris McArthur
- August 8th, 2007

Legend and Scedule:

Wetland Cell	Water Depth	Gravel Depth	Plant
A	18″	21″	**Panicked Bulrush-(*Scripus Microcarpus*)**
B	18″	21″	**Lakeshore Sedge-*(Carex Lenticularis*)**
C	12″	15″	**Lakeshore Sedge-*(Carex Lenticularis*)**

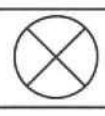
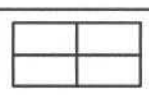
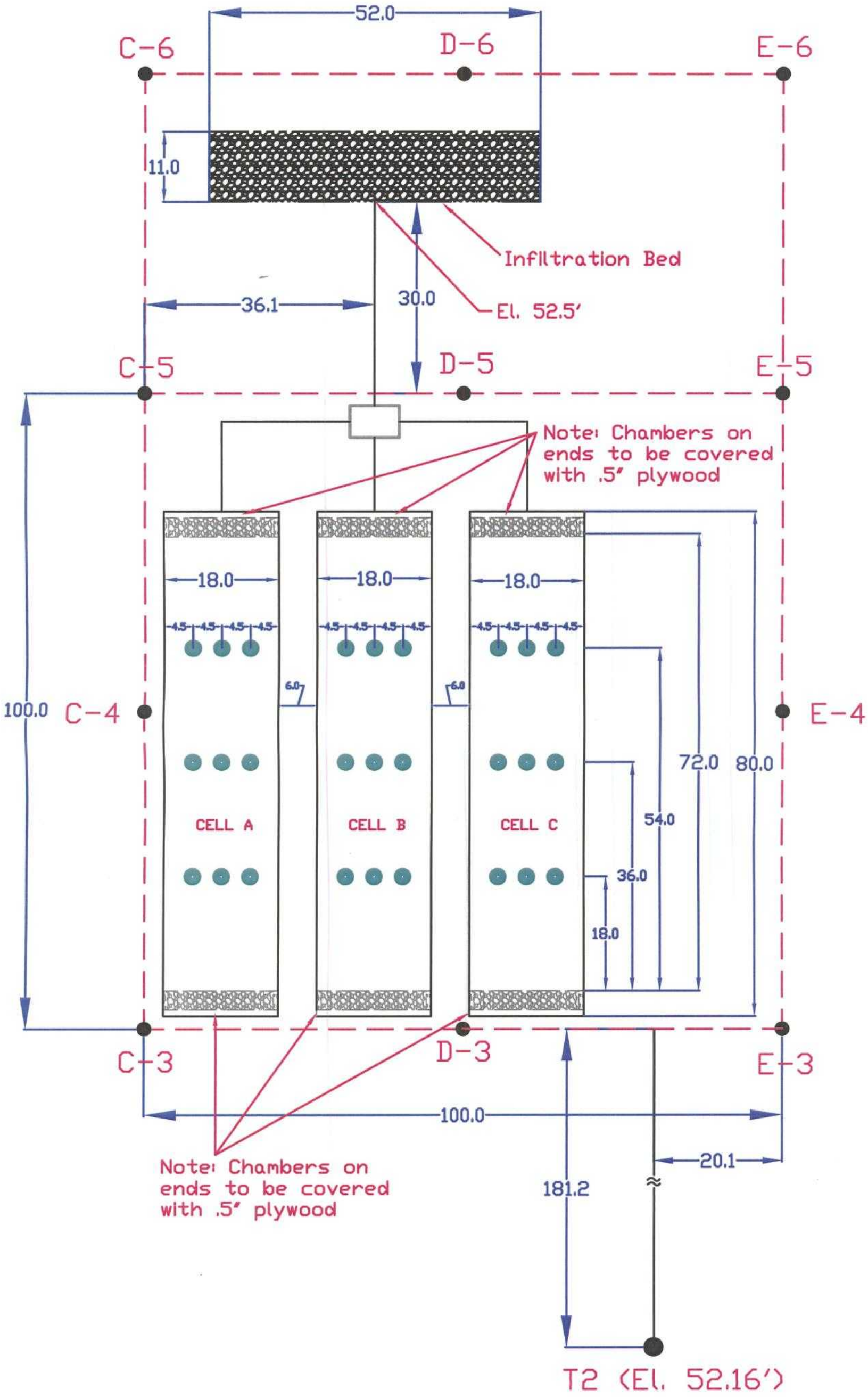
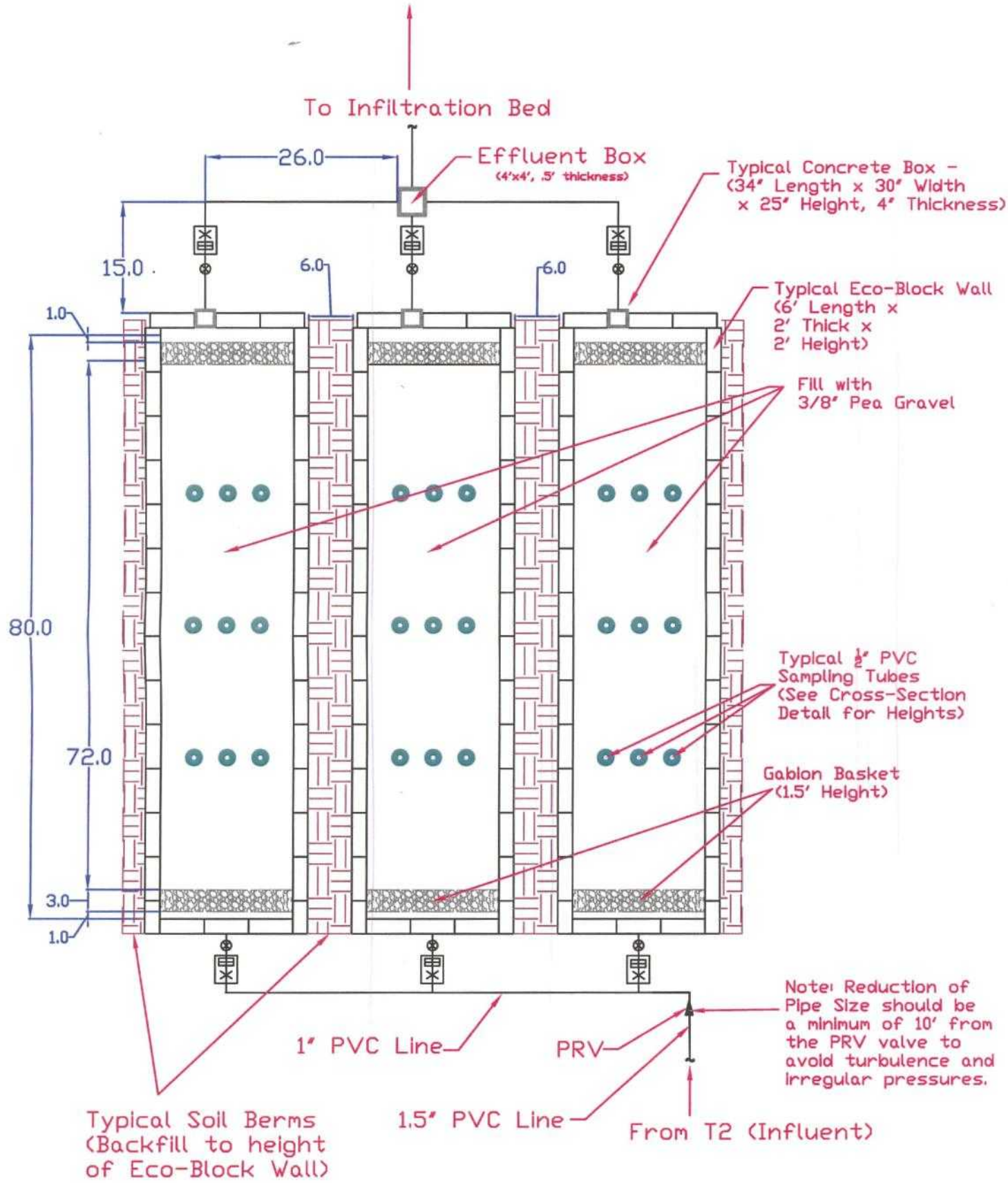
Symbol	Description
	Grid Marker
	Water Line Level
	Dimensional Cut Line
	Sample Tap
	Gate Valve
	Flow Meter
	Pressure Reducing Valve
	Sampling Pipe

Table of Contents

General Layout - Grid

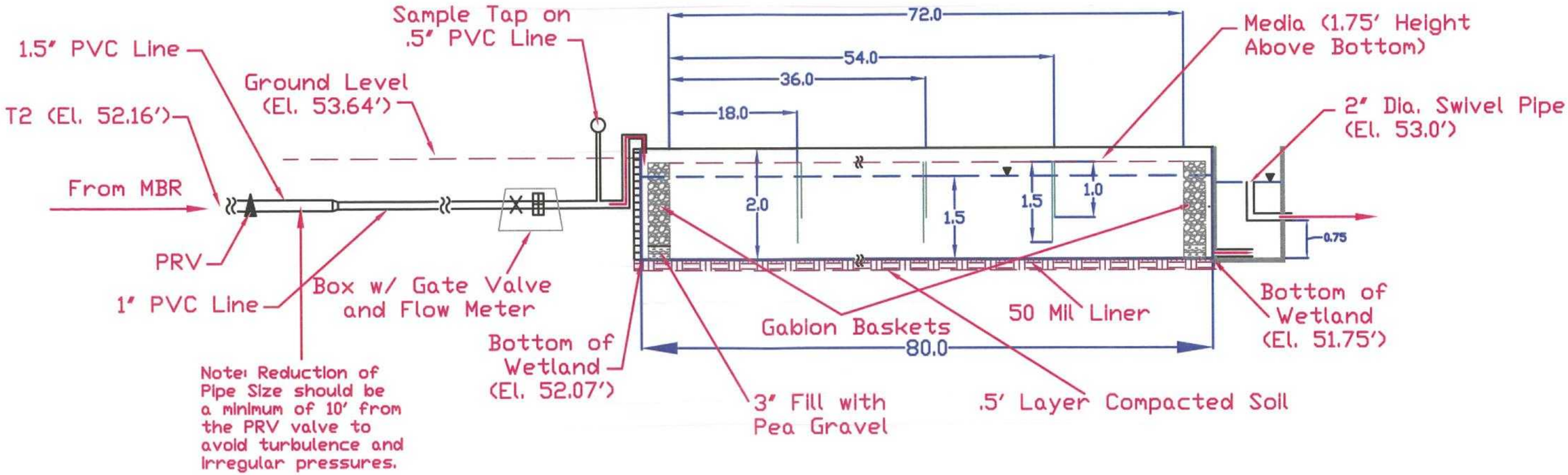


Detailed Layout



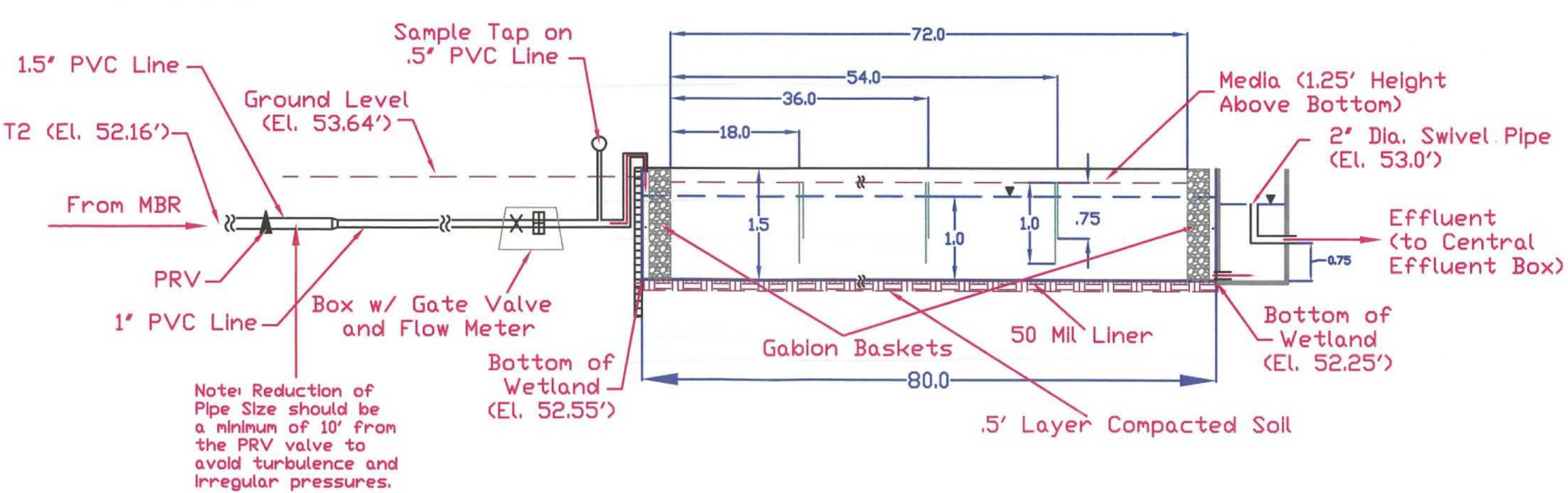
Elevation View - Longitudinal Direction
(Cells A & B - 21" Gravel Depth)

NTS

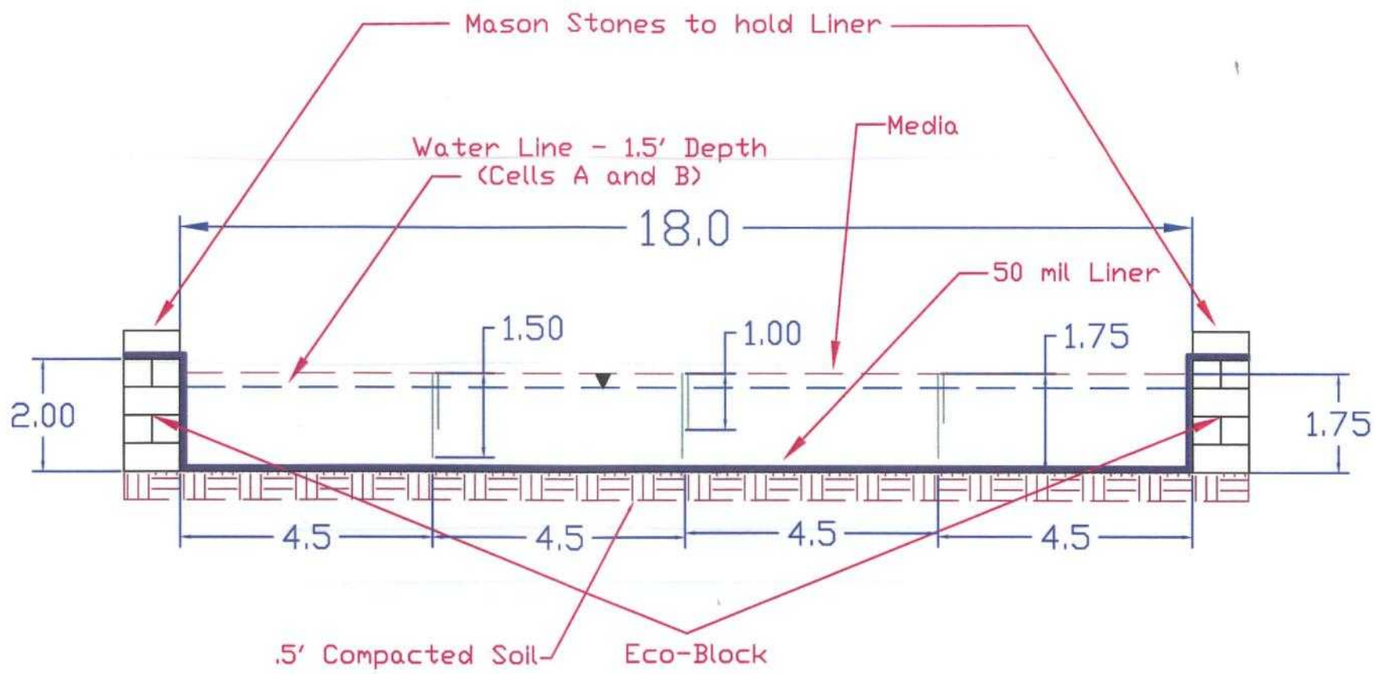


Elevation View - Longitudinal Direction
(Cell C - 15" Gravel Depth)

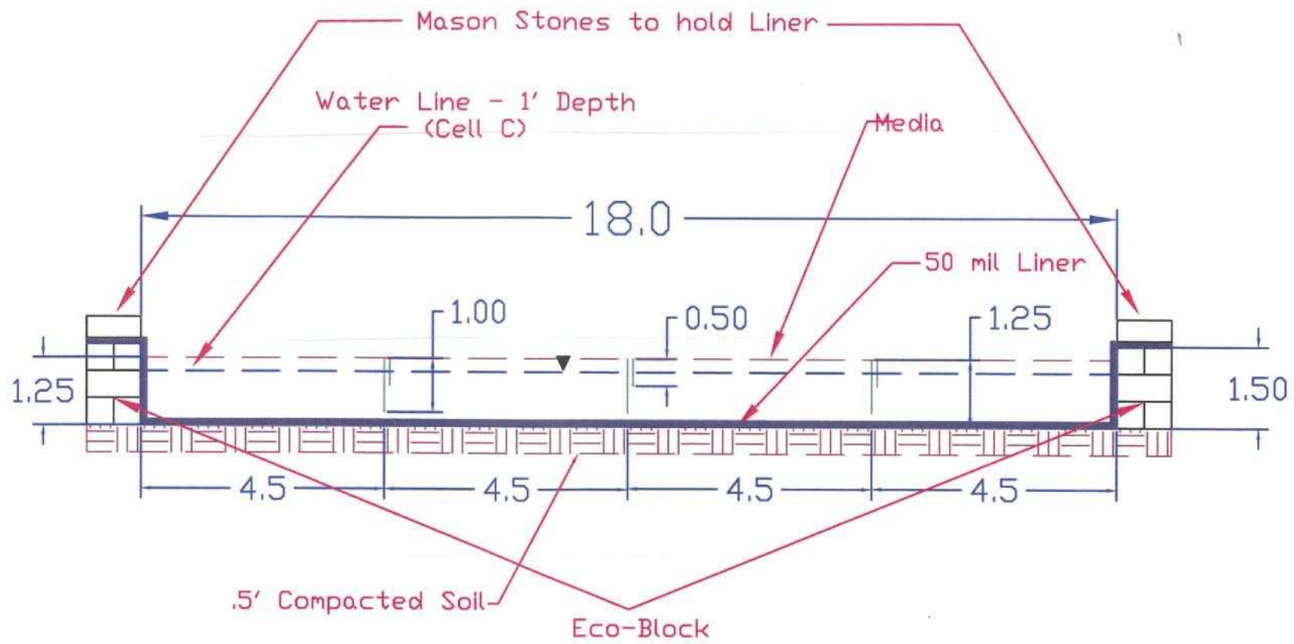
NTS



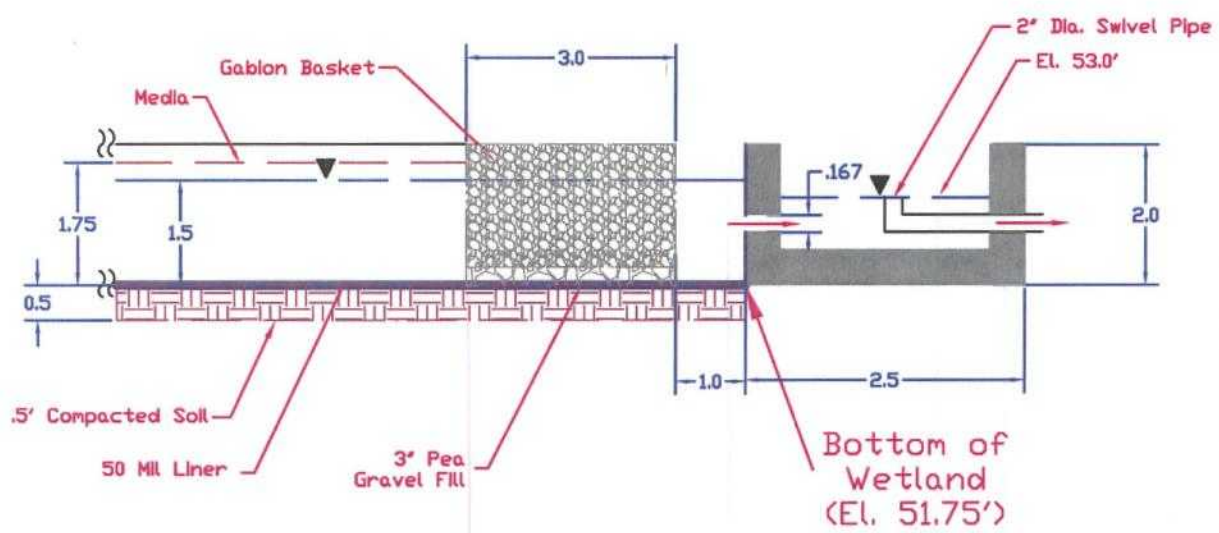
Cross Sectional View
(Cells A & B)

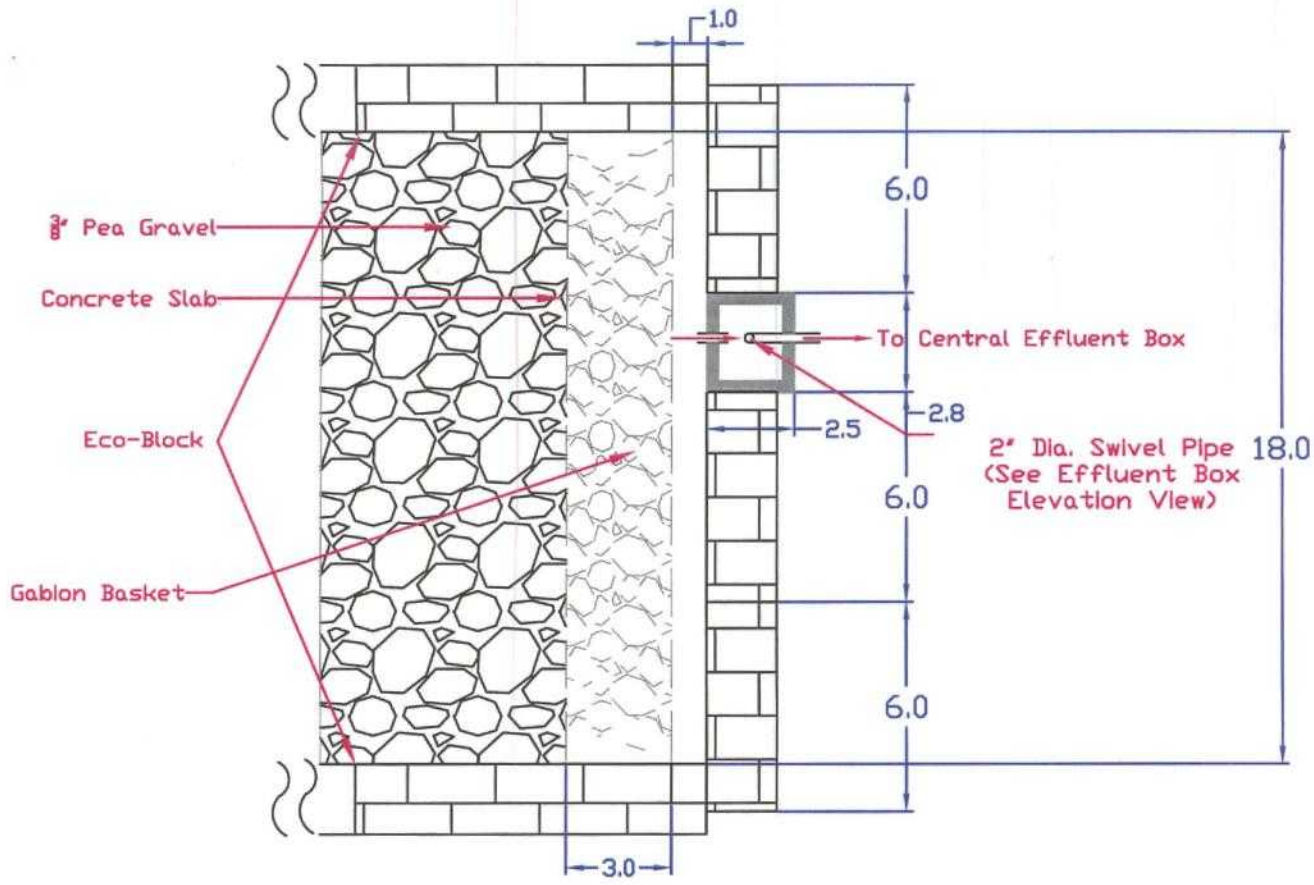


Cross Sectional View
(Cell C)

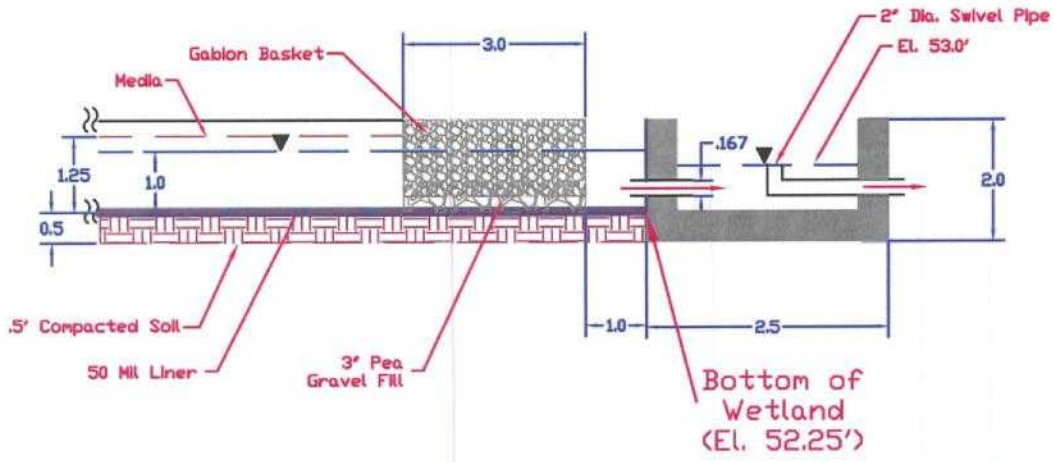


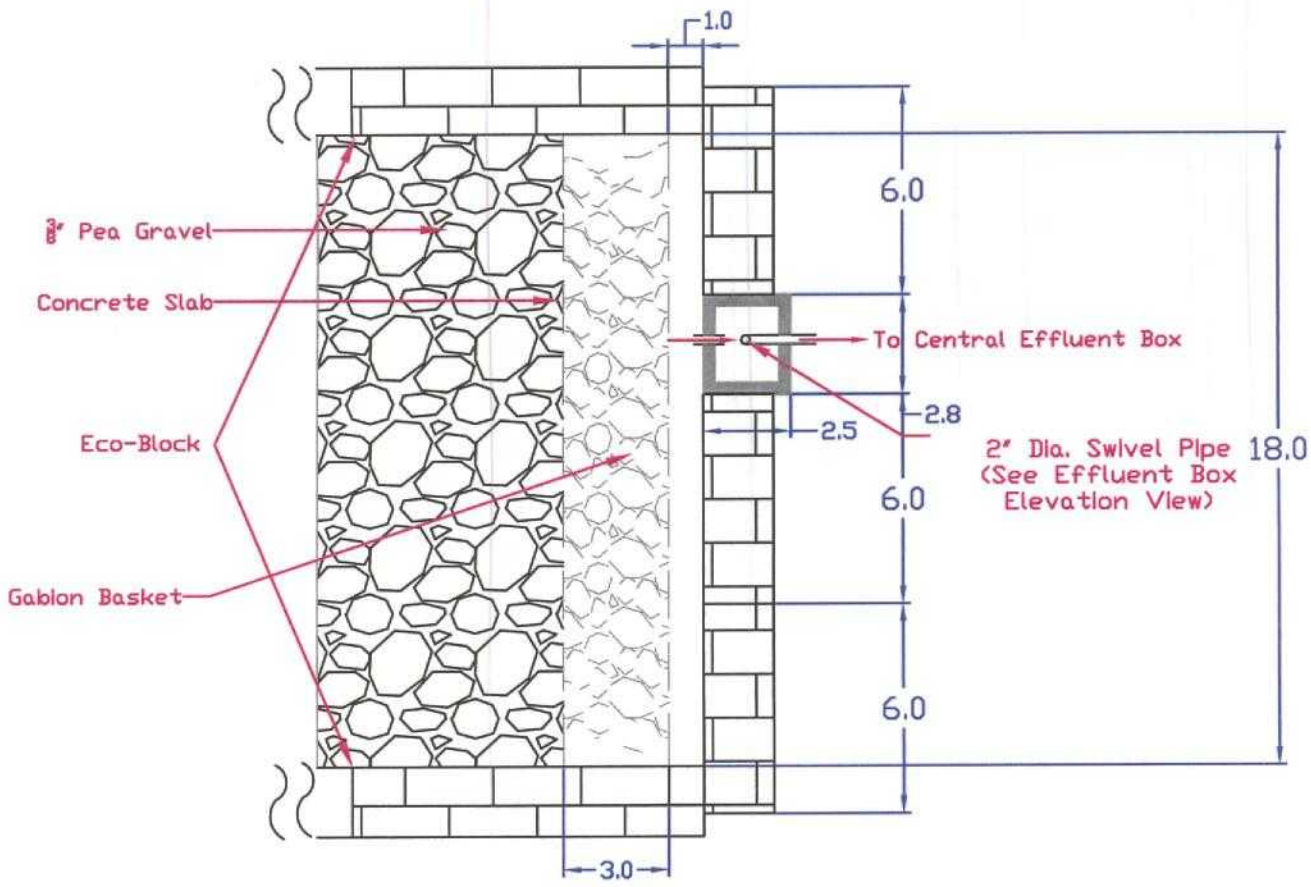
Effluent Box
(Cells A & B)





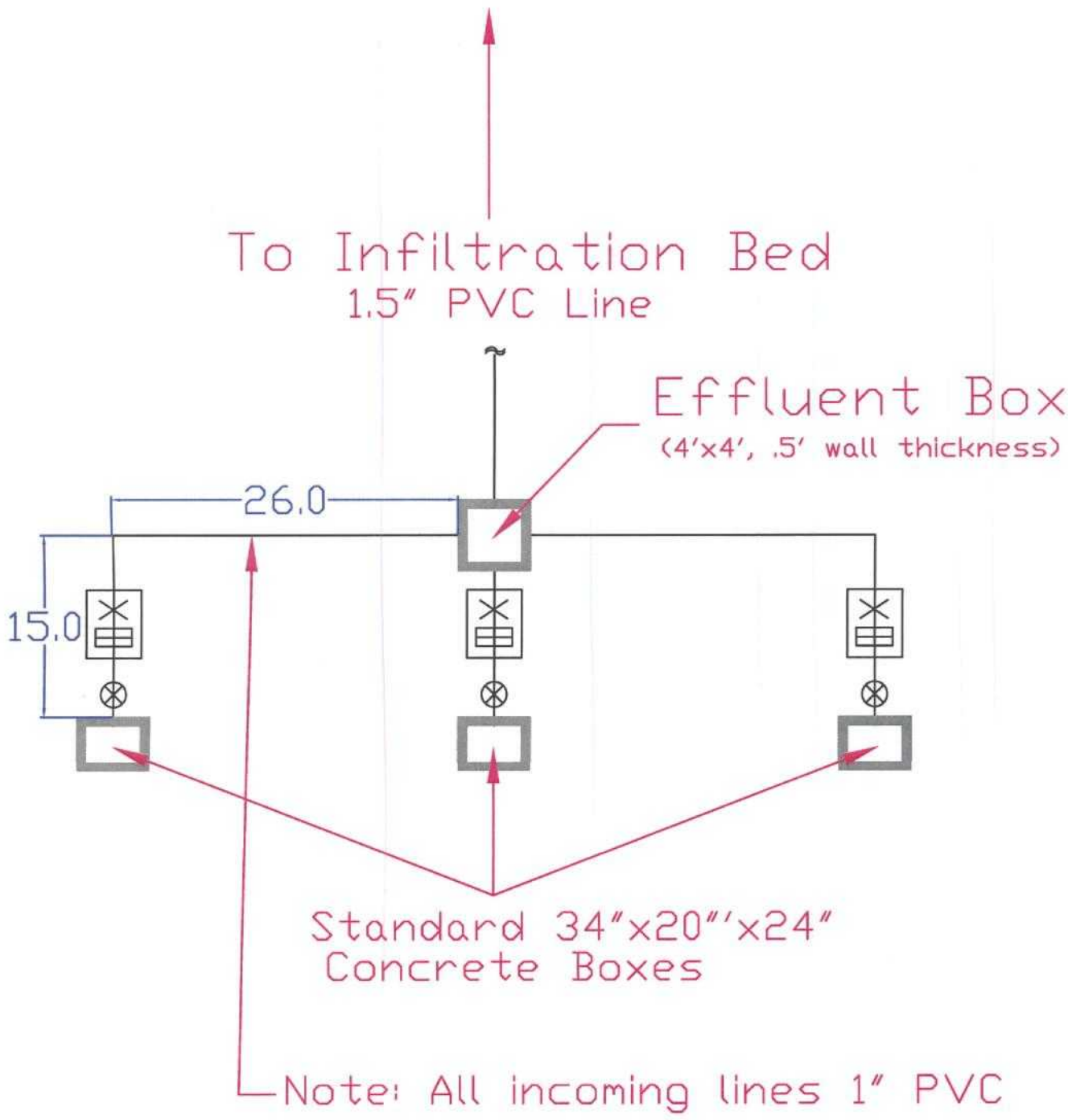
Effluent Box
(Cell C)





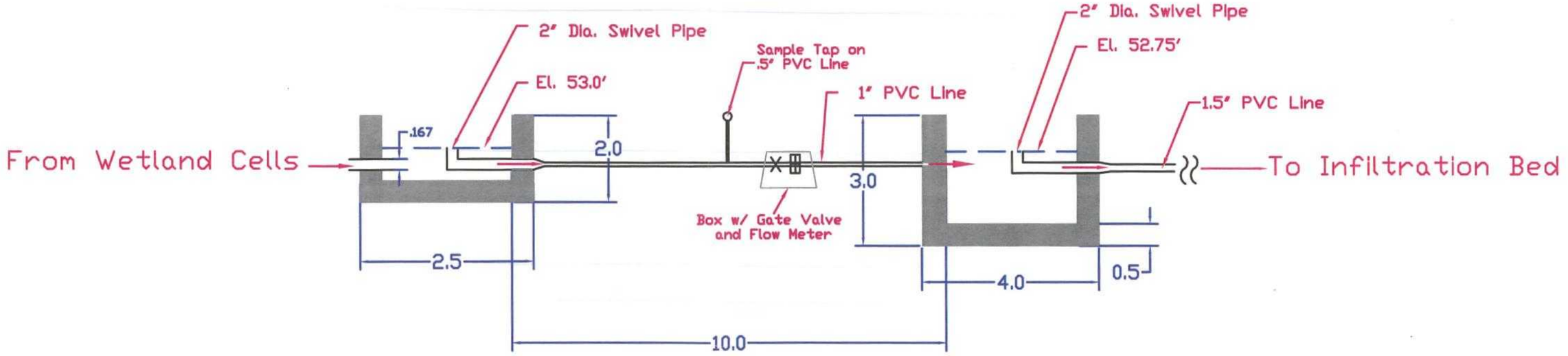
Central Effluent Box

(Plan View)



Central Effluent Box

(Elevation View)



The Consolidated Borough of
Quil Ceda Village
8802 27th Avenue NE, Tulalip, WA 98271-9694
360-654-2600 Phone • 360-651-4249 Fax

March 29, 2007

Martha Lentz
Groundwater Protection Unit
EPA, Region X: MS OEA - 095
1200 Sixth Avenue
Seattle, WA 98101

RE: Quil Ceda Village Treated Effluent Infiltration System: Inventory and Assessment for Rule Re-authorization and amendment

Ms. Lentz,

Regarding our phone discussion of March 29, I send 4 exhibits to further describe the Quil Ceda Village UIC Class V system.

Exhibit a demonstrates the relationship of one of the 19 horizontal well sections used for injection and the associated vertical observation well used to assess the level of the underlying groundwater for that section. While we have one injection system - with a control valve on each north and a south header line, there are 19 small injector sections branching from this header system, with each of the 19 sections having control features in a vault. The control vault for S3 is in the foreground and the well head is located where the gentleman is measuring the depth with the tape.

The two pages of exhibit b show one control vault cover again and the second page shows the control mechanisms to regulate the flows to one of the 100 foot small header injection wells. Note that each has control valves, flow meter, and pressure regulator.

Exhibit c to this letter (replacement for the original exhibit 6) demonstrates the specific location of the vaults and (in red) the background wells (marked as B _) and the down-gradient observation wells on the east side of the interstate (marked in red as E _). Exhibit D again shows the well system in red and the observation wells marked in blue in an overhead photo.

If I can respond to additional questions, please call.

T. McKinsey
Special Projects

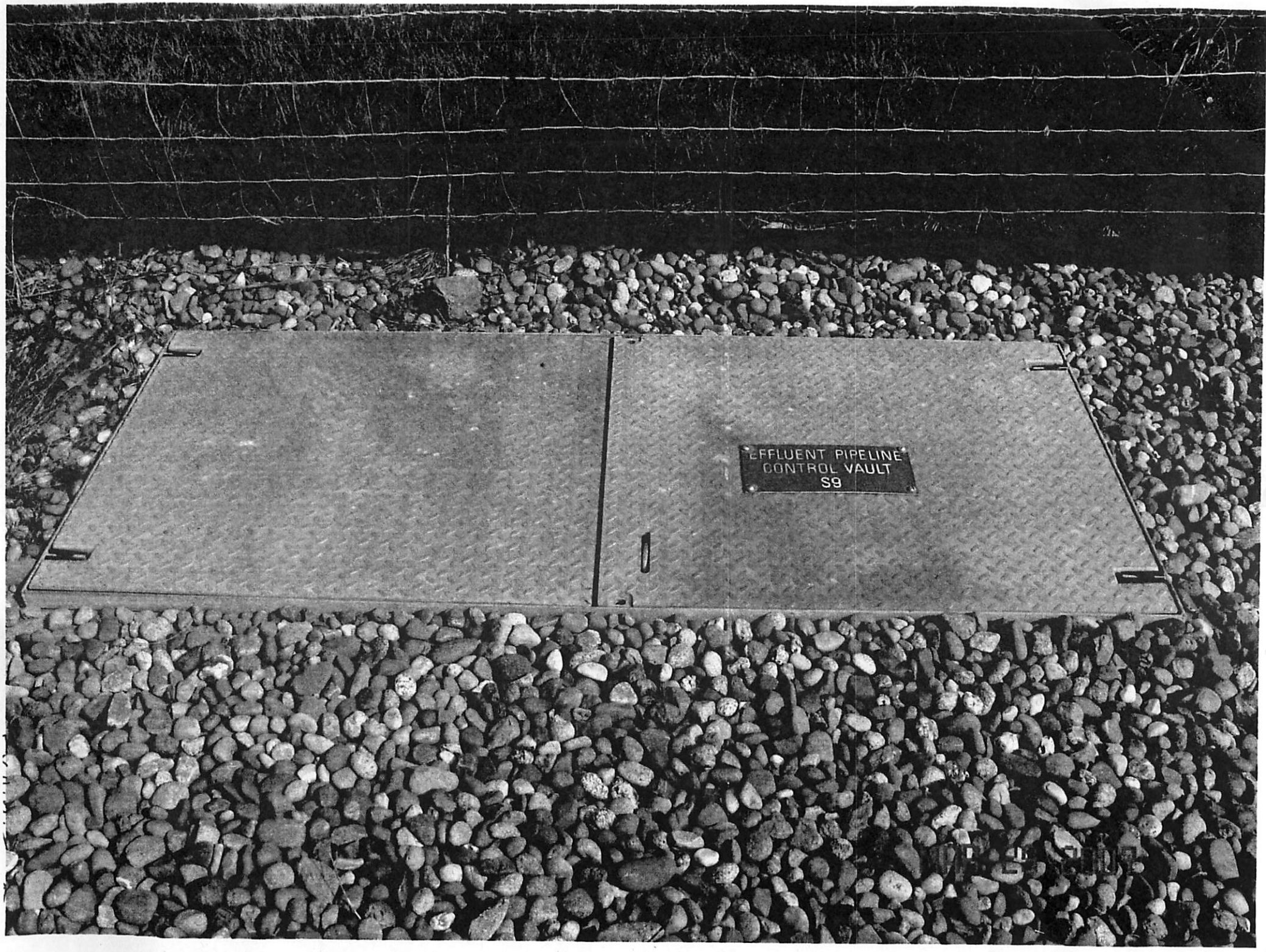
a. Sampling picture to describe the layout of the horizontal well versus the vertical well at each of the 19 stations
b. Picture of the vault controls
c. Map designating the specific horizontal wells and the wells east of I-5
d. Overhead photo with the well locations

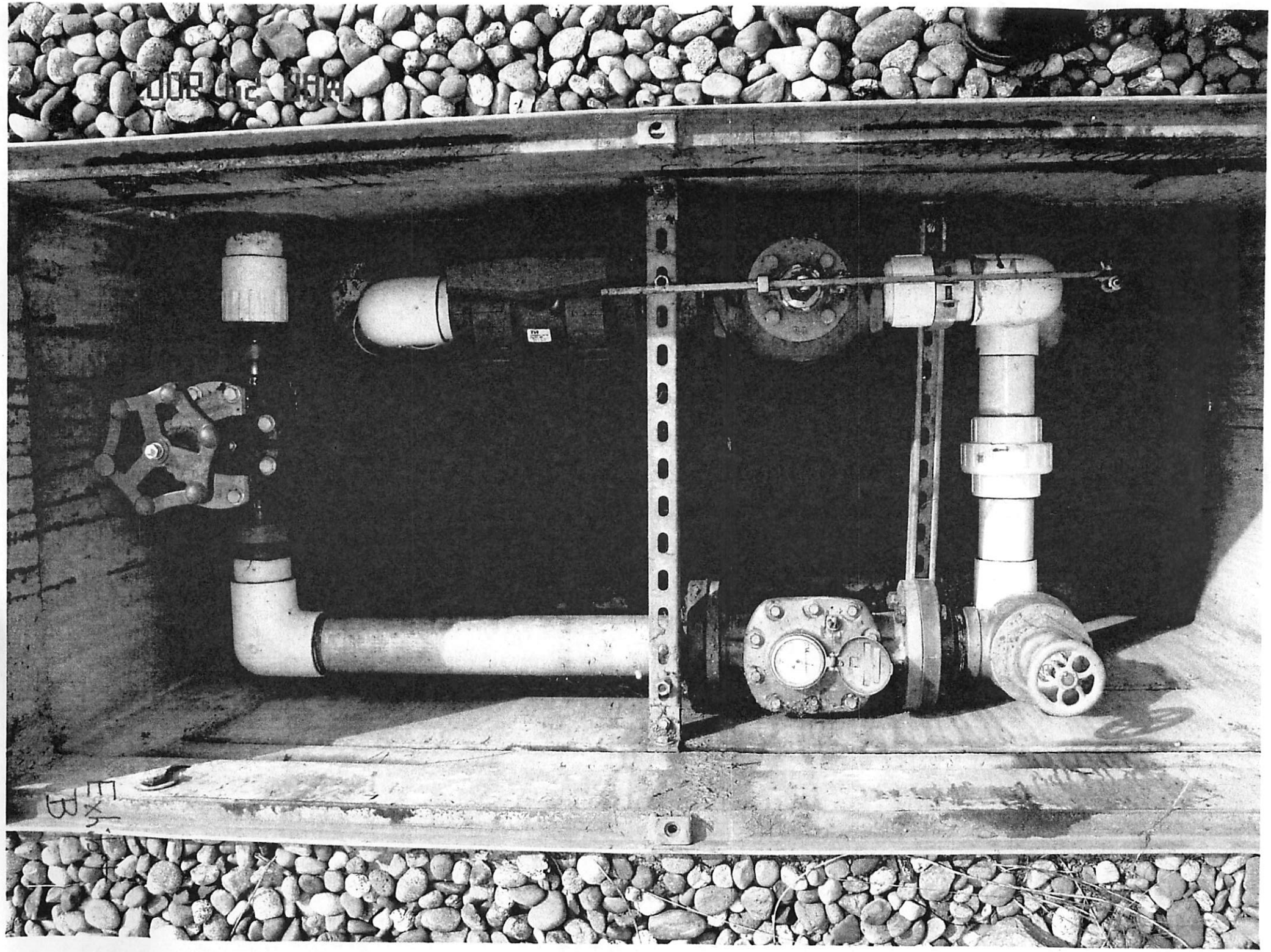
Quil Ceda Village UIC system

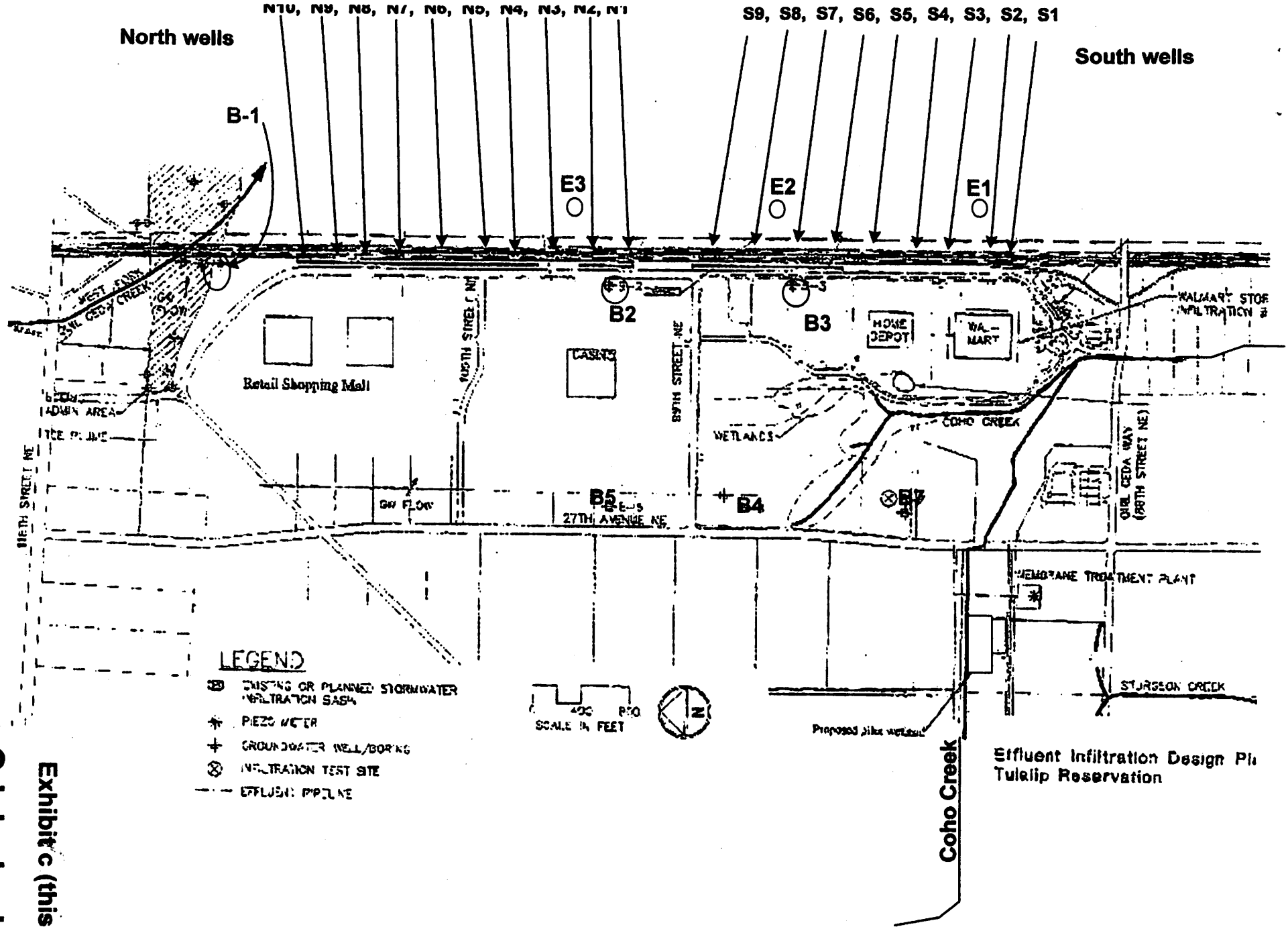
Vertical G/W well

Horizontal well control vault

EXHIBIT A


EFFLUENT PIPELINE
CONTROL VAULT
S9





Original exhibit 6

Exhibit c (this letter)

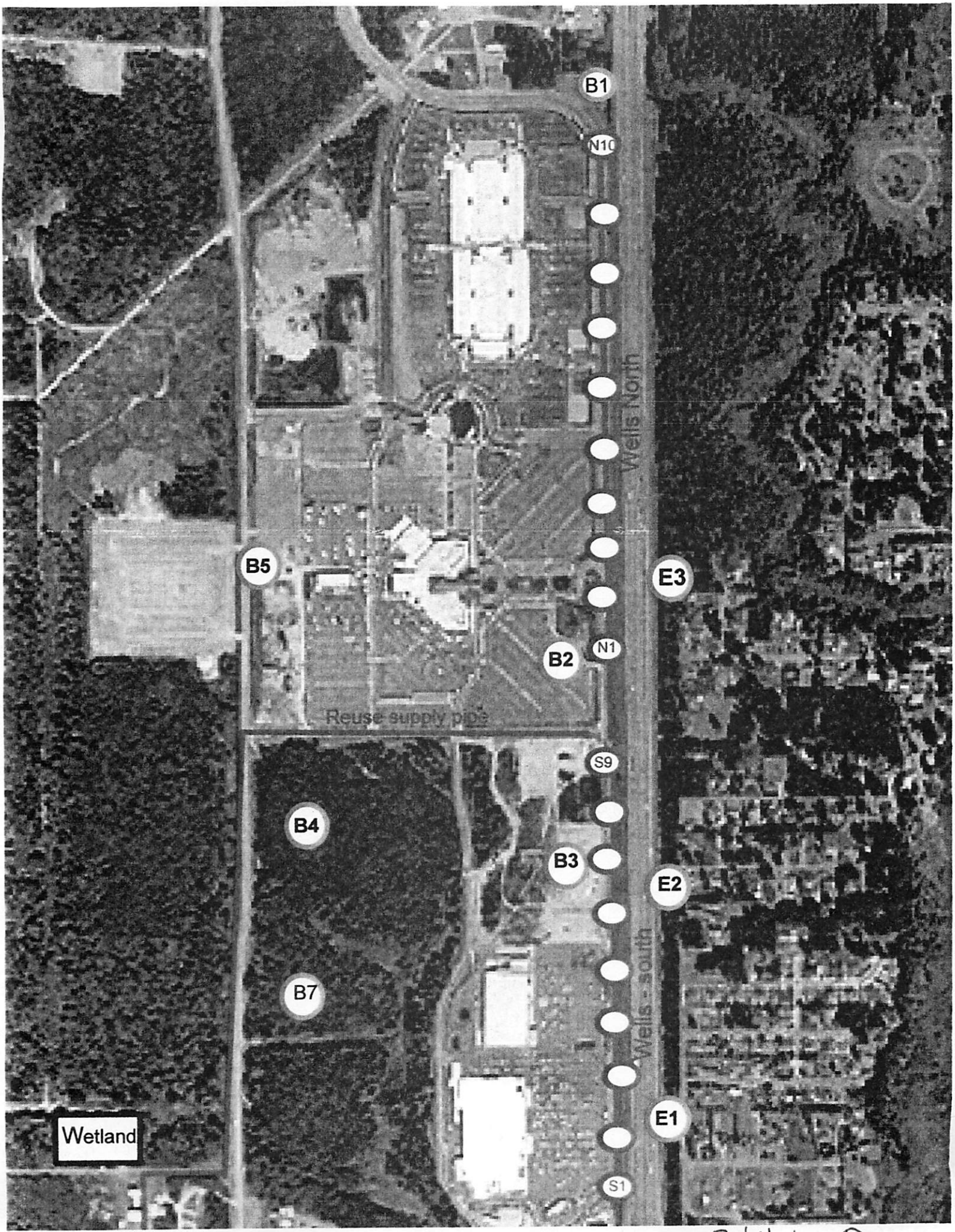
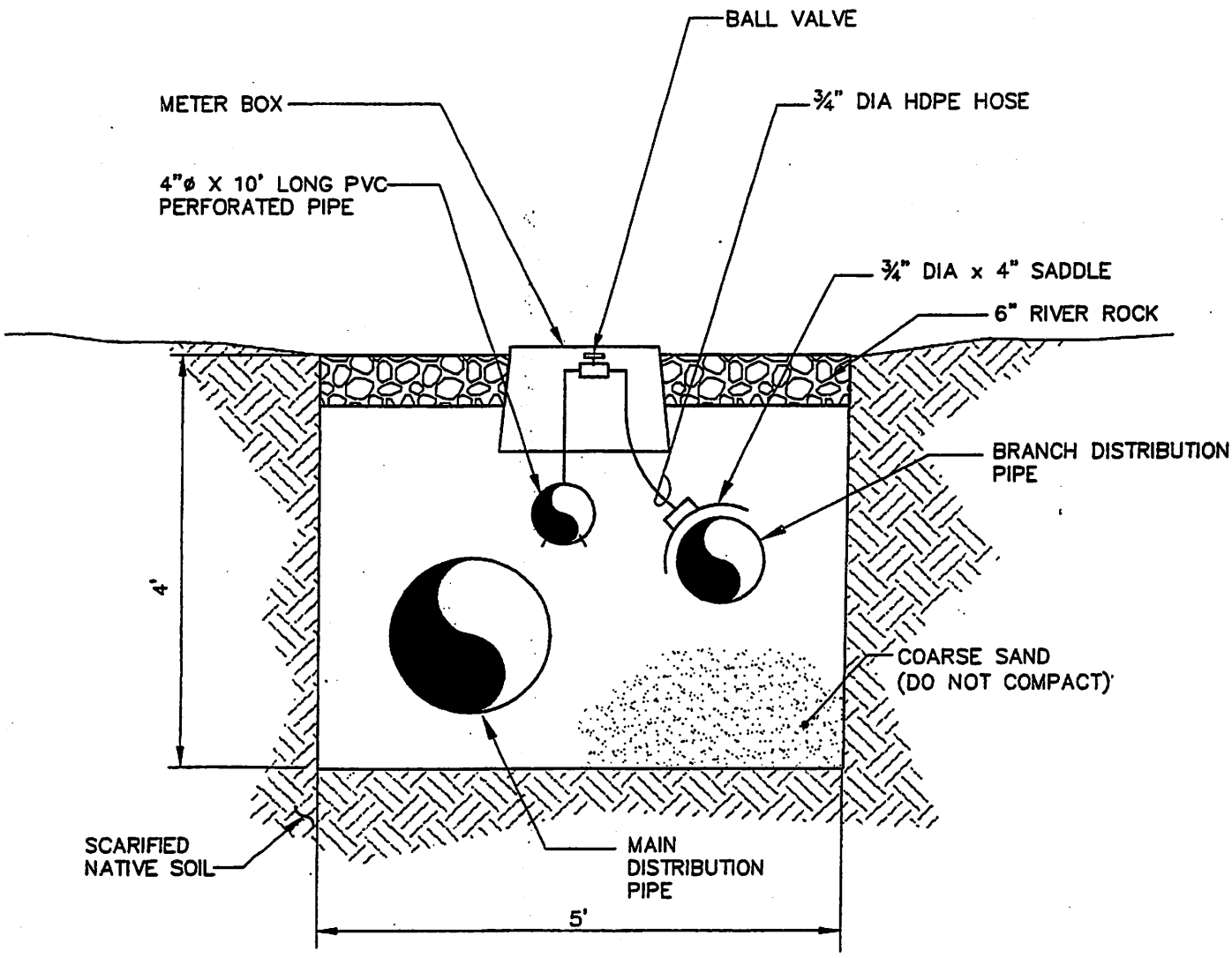

B1
N10
Wells North
B5
E3
B2
N1
Reuse supply pipe
S9
B4
B3
E2
B7
Wells - south
E1
Wetland
S1

Exhibit D



NOTE:

1. SECURE FOLLOWING TAGS TO METER BOX LID:
   A. DISCHARGE POINT NO.
   B. "NON–POTABLE WATER DO NOT DRINK"

Fig. 29

Effluent Infiltration Trench Cross Section Tulalip Reservation

Level	Elev		Level	Elev		Level	Elev		Level	Elev		Level	Elev		Level	Elev		Level	Elev		Level	Elev		Level	Elev		Level	Elev		Level	Elev		Level
BS	Dim	S9	BS	Dim	N1	BS	Dim	N2	BS	Dim	N3	BS	Dim	N4	BS	Dim	N5	BS	Dim	N6	BS	Dim	N7	BS	Dim	N8	BS	Dim	N9	BS	Dim	N10	BS
	55.10		·	55.03			57.64			58.82			59.71			58.09			59.62			60.69			61.72			62.11			61.37		
	54.58			55.03			57.32			58.46			59.23			57.55			59.24			60.17			61.37			61.62			61.14		
	34.33			37.7			37.33			36.42			35.64			36.64			37.27			38.16			39.53			39.63			39.36		
11.10	43.68		10.90	47.63		7.40	46.12		11.20	45.06		13.40	46.03		13.20	46.75		10.80	47.44		11.80	47.97		12.20	49.37		12.00	50.12		11.50	51.14		10.00
15.20	39.78		14.80	44.03		11.00	43.22		14.10	42.46		16.00	42.53		16.70	42.55		15.00	43.14		16.10	43.17		17.00	44.17		17.20	44.42		17.20	44.44		16.70

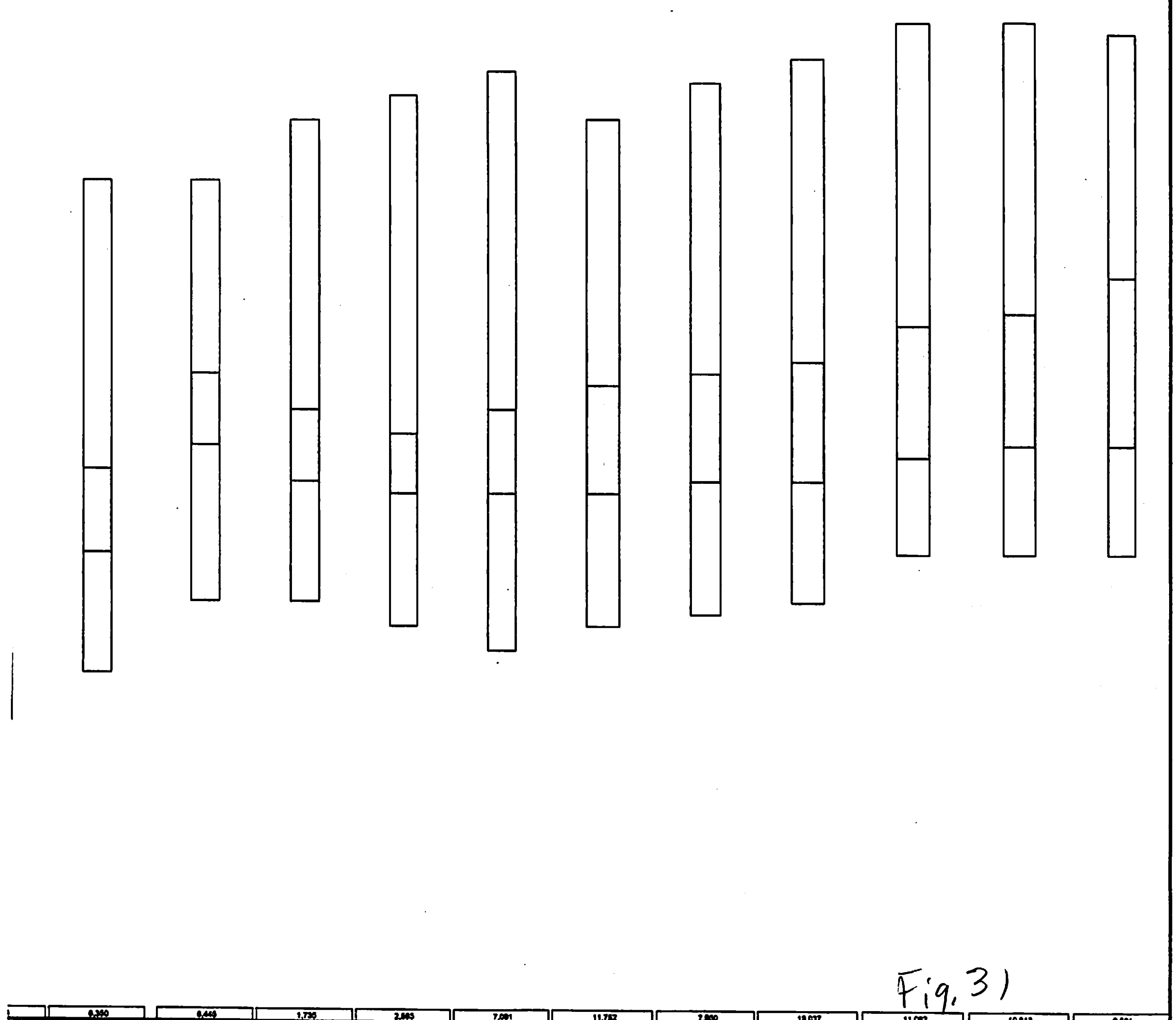


Fig. 31

① 9125,000 gal/month Infiltration (Class V) ② Pilot wetland 50,000 gpd.

Kirk Robinson

Quil-Ceda

Background

In March 2003, EPA Rule Authorized injection of effluent from a waste water treatment system serving Quil-Ceda Village. Quil-Ceda Village was developed on the Tulalip Indian Reservation along I-5 north of Marysville. It consists of the Tulalip Casino, several "big-box" stores, an outlet mall, and other retail establishments. The waste water treated includes sanitary wastes from the business establishments, storm water from the parking areas, and any other fluids entering the system through sinks, drains and other collectors.

When Quil-Ceda initially approached EPA on this project, the assumption was that this would proceed through a permitting process due to the size of the project. Thor handled the technical aspects of the process for the Region. Apparently, the Tribe convinced EPA management to go to Rule Authorization as a way to avoid the public comment process required for a permit (or so goes the speculation).

The Rule Authorization granted was for a period up to five years.

Current Situation

Quil-Ceda has submitted an application to renew and amend the Rule Authorization (RA) for continued injection of effluent from its waste water treatment system. It appears that the amendment is to allow a greater rate of injection – Quil-Ceda believes that the hydraulic capacity is significantly higher than what has been approved previously. (There are numerous variables in the existing RA, as well as the proposed amendment). In addition, Quil-Ceda is seeking authorization for a pilot wetland treatment system with an injection well.

Next Steps

1. As suggested I believe it would be appropriate to have OEA review the application and supporting documentation to determine the following:
    - Is there any indication that the fluids injected to date have exceeded MCLs?
    - Is there adequate data to support allowing a higher rate of injection? Does the data support the contention that there is much greater hydraulic capacity than previously believed?
    - Does the constructed wetland/injection well proposal technically sound?
    - Is there any reason to believe that the constructed wetland/injection well proposal will not meet MCLs at the point of injection?
2. Should we send an inspector to the facility to see that all is operating properly and that the injectate is within MCLs?
3. Based on the response we receive from OEA, what do we do, particularly in a "disinvested" program? This can determine the standard that can be expected from the regional Tribal UIC program in the future? Can we sustain it given the current level of commitment to the program?

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
REGION 10
1200 Sixth Avenue, Suite 900
Seattle, Washington 98101-3140

extra copy

Reply to
Attn of: OCE-082

CERTIFIED MAIL – RETURN RECEIPT REQUESTED

Tom McKinsey, Special Projects
The Consolidated Borough of Quil Ceda Village
8802 27th Avenue NE
Tulalip, WA 98271-7433

Re: UIC Application for Authorization by Rule
Quil Ceda Village Project
EPA Project # 4-25-5x-00743

Dear Mr. McKinsey:

This is in response to the request by Quil Ceda Village for the following:

1. Five (5) year reauthorization of the Authorization by Rule (ABR) to allow continued operation of nineteen (19) injection wells. The original ABR was granted by EPA on March 17, 2003.
2. Five (5) year Authorization by Rule to construct three (3) additional injection wells for injection of effluent from a pilot wetlands treatment project.

Thank you for submitting the completed inventory information for the facility, including both the existing and proposed Class V Underground Injection Wells.

In summary, your application requests reauthorization of the existing nineteen (19) injection wells for five years at a maximum injection rate of 9,125,000 gallons per month (average of ~300,000 gallons per day) of treated wastewater; and authorization of three (3) additional injection wells related to a pilot wetlands treatment project at a maximum injection rate of 50,000 gallons per day.

EPA has reviewed your application and supporting documentation and found it sufficient to make a determination on your request:

1. Quil Ceda Village will be operating a Class V disposal system under the Underground Injection Control (UIC) Program as defined at 40 CFR 144.6.

2. The injection wells are regulated under UIC program requirements found in 40 CFR Parts 144, 146, and 147, promulgated under Part C of the Safe Drinking Water Act, 42 United States Code Sections 1421 through 1428.
3. 40 CFR Part 144 Subpart G specifically applies to Class V injection wells.

Therefore:

Operation of the wastewater injection system, consisting of the existing nineteen (19) injection wells and the three (3) new injection wells associated with the wetlands treatment pilot project, as described within the Quil Ceda Village's November 16, 2006, UIC application is authorized by rule for five years (to March 17, 2013) pursuant to 40 CFR § 144.24 and 144.84(a). Consistent with the authorization by rule:

1. The Quil Ceda Village Class V disposal system must comply with 40 CFR 144.12(a) which prohibits any underground injection system that may endanger an Underground Source of Drinking Water (USDW);
2. The Quil Ceda Village Class V disposal system is subject to periodic compliance inspections, which may include sampling and analysis of the fluids to be injected to ground through the disposal system;
3. It is expected that the treated effluent injectate from the treatment system will meet the federal drinking water standards; the operator will monitor the effluent to document compliance with those standards;
4. Pursuant to EPA's information gathering authority, as specified in 40 CFR § 144.27 and 40 CFR § 144.83(b):

    - Quil Ceda Village is to report any discharge into the injection wells that exceeds Maximum Contaminant Levels of the Safe Drinking Water Act to the Environmental Protection Agency, Region 10 (EPA) within twenty-four (24) hours of the event;
    - Should any conditions change in the operation of this system to fall outside of the authorization detailed above, EPA is to be notified within seven (7) days;

5. Quil Ceda Village shall ensure that all applicable UIC requirements under the Safe Drinking Water Act, including construction, operation, monitoring, record retention, closure and all other requirements are met; and
6. For the new injection wells, Quil Ceda Village shall submit a final construction completion report (i.e., well logs, as-built drawings, map with location of wells, etc.) prior to initiation of injection.

Please note that under 40 CFR Part 144.12(c), (d), and (e), EPA can require owners or operators of Class V disposal systems currently authorized by rule to apply for a permit, or close the disposal system under certain circumstances, if EPA determines it is necessary to prevent endangerment to underground sources of drinking water.

EPA reviewed the Quality Assurance Project Plan submitted with the application. While EPA does not formally approve or disapprove of such plans, we do offer the following comments. Overall, the QAPP is technically sound, however, the following clarifications and/or corrections should be implemented:

- Table 2-1 Sample Containers, Preservatives, and Holding Times – An error was noted in the preservation and holding times for Fecal Coliform samples. Please make the following change to your plan: Replace NaOH with Sodium Thiosulfate (if residual chlorine is detected) and change the holding time from 24 hours to 6 hours.
- The laboratory for this project, CCI Analytical, currently has a State Accreditation for monitoring under the Clean Water Act but does not appear on the State's list of Drinking Water Certified labs. To ensure that your system is meeting drinking water standards, a Drinking Water Certified lab should be used.

Finally, a survey of large capacity wastewater drainfields within our region (October 2002) identified the lack of proper operations and maintenance as one of the leading causes for drainfield failures. For that reason, EPA would like to stress the importance of maintaining the equipment in accordance with the manufacturer's final O&M manuals.

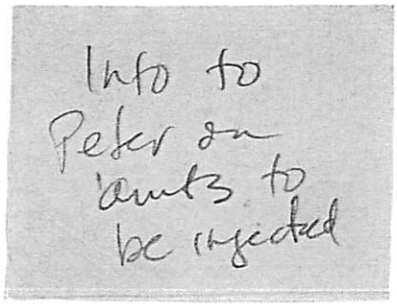
All correspondence related to the requirements of this Authorization by Rule, including notifications of changes in operation should be addressed as follows:

US-EPA, Region 10
Attn: Class V UIC Program
1200 Sixth Avenue, Suite 900
M/S OCE-082
Seattle, WA 98101-3140

Thank you for your time and cooperation in providing the information on your underground injection system to EPA. If you have any questions, please call me at 206-553-6708.

Sincerely,

Peter Contreras, Manager
Ground Water Protection Unit
Office of Compliance and Enforcement


Info to
Peter on
wants to
be injected

The Consolidated Borough of
Quil Ceda Village
8802 27th Avenue NE, Tulalip, WA 98271-9694
360-654-2600 Phone • 360-651-4249 Fax

Mr. Wallace Moon
U.S. Environmental Protection Agency
Groundwater Protection Unit
1200 Sixth Avenue, OW-137
Seattle, WA 98101

November 16, 2006

RE: Quil Ceda Village Treated Effluent Infiltration System: Inventory and Assessment for Rule Re-authorization and amendment (Village & EPA Manager meeting June 16, 2006)

Mr. Moon,

The Consolidated Borough of Quil Ceda Village hereby submits an Inventory and Assessment for Rule Authorization to re-authorize and amend the underground injection control facility for the water treatment plant in Quil Ceda Village as authorized in 2003 under 40 CFR 144 and 146. The system is a Class V injection well as defined by regulation. We understand this project is consistent with other Class V projects in Region X. EPA form 7520-16 with project definition and support data are included with this letter.

Thank you for participating in this important Village program to find safe, effective methods to constructively study the re-use of water to enhance our natural resources. Please refer questions to our staff manager (McKinsey, 360-654-2620).

Sincerely,

T. McKinsey
Quil Ceda Village
Acting General Manager

Attached: Quil Ceda Village's Application for Rule Authorization; Class V Well (2 copies)

Type or print all information. See reverse for instructions.

OMB No. 2040-0042 Approval Expires 4/30/07

INVENTORY OF INJECTION WELLS

EPA

UNITED STATES ENVIRONMENTAL PROTECTION AGENCY
OFFICE OF GROUND WATER AND DRINKING WATER

(This information is collected under the authority of the Safe Drinking Water Act)

1. DATE PREPARED *(Year, Month, Day)*: 06-11-16

2. FACILITY ID NUMBER:

PAPERWORK REDUCTION ACT NOTICE

The public reporting burden for this collection of information is estimated at about 0.5 hour per response, including time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding the burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden, to Chief, Information Policy Branch, 2136, U.S. Environmental Protection Agency, 401 M Street, SW, Washington, DC 20460, and to the Office of Management and Budget, Paperwork Reduction Project, Washington, DC 20503.

3. TRANSACTION TYPE *(Please mark one of the following)*

- ☐ Deletion
- ☐ First Time Entry
- ☐ Entry Change
- ☑ Replacement

4. FACILITY NAME AND LOCATION

A. NAME *(last, first, and middle initial)*: Quil Ceda Village, (Tulalip Indian Reservation)

B. STREET ADDRESS/ROUTE NUMBER: 8802 27th Ave NE

C. LATITUDE

DEG	MIN	SEC
48	05	10 .

D. LONGITUDE

DEG	MIN	SEC
122	11	00 .

E. TOWNSHIP/RANGE

TOWNSHIP	RANGE	SECT	1/4 SECT
30N	05E	20	NW

F. CITY/TOWN: Tulalip

G. STATE: WA

H. ZIP CODE: 98271

I. NUMERIC COUNTY CODE:

J. INDIAN LAND *(mark "x")*: ☒ Yes ☐ No

5. LEGAL CONTACT:

A. TYPE *(mark "x")*: ☒ Owner ☒ Operator

B. NAME *(last, first, and middle initial)*: Reid Allison

C. PHONE *(area code and number)*: (360) 651-3368

D. ORGANIZATION: Quil Ceda Village

E. STREET/P.O. BOX: 8802 27th Ave NE

F. CITY/TOWN: Tulalip

G. STATE: WA

H. ZIP CODE: 98271

I. OWNERSHIP *(mark "x")*

- ☐ PRIVATE
- ☐ PUBLIC
- ☒ SPECIFY OTHER
- ☐ STATE
- ☐ FEDERAL

Native American Village

6. WELL INFORMATION:

A. CLASS AND TYPE		B. NUMBER OF WELLS		C. TOTAL NUMBER OF WELLS	D. WELL OPERATION STATUS				
		COMM	NON-COMM		UC	AC	TA	PA	AN
5	D	22		22	3	19			
				0					
				0					
				0					
				0					
				0					
				0					
				0					

COMMENTS *(Optional)*:

KEY:

DEG = Degree
MIN = Minute
SEC = Second
SECT = Section
1/4 SECT = Quarter Section

COMM = Commercial
NON-COMM = Non-Commercial
AC = Active
UC = Under Construction
TA = Temporarily Abandoned
PA = Permanently Abandoned and Approved by State
AN = Permanently Abandoned and not Approved by State

SECTION 1. DATE PREPARED: Enter date in order of year, month, and day.

SECTION 2. FACILITY ID NUMBER: In the first two spaces, insert the appropriate U.S. Postal Service State Code. In the third space, insert one of the following one letter alphabetic identifiers:

D - DUNS Number,
G - GSA Number, or
S - State Facility Number.

In the remaining spaces, insert the appropriate nine digit DUNS, GSA, or State Facility Number. For example, A Federal facility (GSA - 123456789) located in Virginia would be entered as : VAG123456789.

SECTION 3. TRANSACTION TYPE: Place an "x" in the applicable box. See below for further instructions.

Deletion. Fill in the Facility ID Number.
First Time Entry. Fill in all the appropriate information.
Entry Change. Fill in the Facility ID Number and the information that has changed.
Replacement.

SECTION 4. FACILITY NAME AND LOCATION:

A. **Name.** Fill in the facility's official or legal name.
B. **Street Address.** Self Explanatory.
C. **Latitude.** Enter the facility's latitude (all latitudes assume North Except for American Samoa).
D. **Longitude.** Enter the facility's longitude (all longitudes assume West except Guam).
E. **Township/Range.** Fill in the complete township and range. The first 3 spaces are numerical and the fourth is a letter (N,S,E,W) specifying a compass direction. A township is North or South of the baseline, and a range is East or West of the principal meridian (e.g., 132N, 343W).
F. **City/Town.** Self Explanatory.
G. **State.** Insert the U.S. Postal Service State abbreviation.
H. **Zip Code.** Insert the five digit zip code plus any extension.

SECTION 4. FACILITY NAME & LOCATION (CONT'D.):

I. **Numeric County Code.** Insert the numeric county code from the Federal Information Processing Standards Publication (FIPS Pub 6-1) June 15, 1970, U.S. Department of Commerce, National Bureau of Standards. For Alaska, use the Census Division Code developed by the U.S. Census Bureau.
J. **Indian Land.** Mark an "x" in the appropriate box (Yes or No) to indicate if the facility is located on Indian land.

SECTION 5. LEGAL CONTACT:

A. **Type.** Mark an "x" in the appropriate box to indicate the type of legal contact (Owner or Operator). For wells operated by lease, the operator is the legal contact.
B. **Name.** Self Explanatory.
C. **Phone.** Self Explanatory.
D. **Organization.** If the legal contact is an individual, give the name of the business organization to expedite mail distribution.
E. **Street/P.O. Box.** Self Explanatory.
F. **City/Town.** Self Explanatory.
G. **State.** Insert the U.S. Postal Service State abbreviation.
H. **Zip Code.** Insert the five digit zip code plus any extension.
I. **Ownership.** Place an "x" in the appropriate box to indicate ownership status.

SECTION 6. WELL INFORMATION:

A. **Class and Type.** Fill in the Class and Type of injection wells located at the listed facility. Use the most pertinent code (specified below) to accurately describe each type of injection well. For example, 2R for a Class II Enhanced Recovery Well, or 3M for a Class III Solution Mining Well, etc.
B. **Number of Commercial and Non-Commercial Wells.** Enter the total number of commercial and non-commercial wells for each Class/Type, as applicable.
C. **Total Number of Wells.** Enter the total number of injection wells for each specified Class/Type.
D. **Well Operation Status.** Enter the number of wells for each Class/Type under each operation status (see key on other side).

CLASS I Industrial, Municipal, and Radioactive Waste Disposal Wells used to inject waste below the lowermost Underground Source of Drinking Water (USDW).

TYPE	**1I**	Non-Hazardous Industrial Disposal Well.
	1M	Non-Hazardous Municipal Disposal Well.
	1H	Hazardous Waste Disposal Well injecting below the lowermost USDW.
	1R	Radioactive Waste Disposal Well.
	1X	Other Class I Wells.

CLASS II Oil and Gas Production and Storage Related Injection Wells.

TYPE	**2A**	Annular Disposal Well.
	2D	Produced Fluid Disposal Well.
	2H	Hydrocarbon Storage Well.
	2R	Enhanced Recovery Well.
	2X	Other Class II Wells.

CLASS III Special Process Injection Wells.

TYPE	**3G**	*In Situ* Gassification Well
	3M	Solution Mining Well.

CLASS III (CONT'D.)

TYPE	**3S**	Sulfur Mining Well by Frasch Process.
	3T	Geothermal Well.
	3U	Uranium Mining Well.
	3X	Other Class III Wells.

CLASS IV Wells that inject hazardous waste into/above USDWs.

TYPE	**4H**	Hazardous Facility Injection Well.
	4R	Remediation Well at RCRA or CERCLA site.

CLASS V Any Underground Injection Well not included in Classes I through IV.

TYPE	**5A**	Industrial Well.
	5B	Beneficial Use Well.
	5C	Fluid Return Well.
	5D	Sewage Treatment Effluent Well.
	5E	Cesspools (non-domestic).
	5F	Septic Systems.
	5G	Experimental Technology Well.
	5H	Drainage Well.
	5I	Mine Backfill Well.
	5J	Waste Discharge Well.

Inventory and Assessment

Application for Rule Authorization of Underground Injection Control Facility

Quil Ceda Village
Treated Effluent Infiltration System

Submitted by
The Consolidated Borough of Quil Ceda Village
Tulalip Indian Reservation, WA
8802 27th Avenue NE
Tulalip, WA 98271-7433

(360) 654-2620
tmac@tgi.net

CERTIFICATION BY RESPONSIBLE OFFICIAL

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system design to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

John McCoy
General Manager, Quil Ceda Village

11.06.06
Date:

CERTIFICATION BY RESPONSIBLE OFFICIAL

I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system design to assure that qualified personnel properly gather and evaluate the information submitted. Based on my inquiry of the person or persons who manage the system, or the persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

Herman A. Williams, Jr.
President, Quil Ceda Village

Nov , 2006
Date:

Stanley G. Jones, Sr.
Chairman, Tulalip Tribes

Nov , 2006
Date: